

Table of Distances,

PUBLISHED FOR THE INFORMATION OF

THE TROOPS,

SERVING IN THE

DISTRICT of NEW MEXICO,

—WITH—

Remarks and Information

NECESSARY FOR

CAMPING PARTIES.

ACTING ASSISTANT ADJUTANT GENERAL'S OFFICE,

HEADQUARTERS DISTRICT OF NEW MEXICO,

SANTA FE, N. M., JANUARY 1ST, 1878.

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Headquarters District of New Mexico,

ACTING ASSISTANT ADJUTANT GENERAL'S OFFICE,

Santa Fe, N. M., January 1, 1878.

The following Table of Distances, compiled by First Lieut. C. C. Morrison, 6th Cavalry, late Acting Engineer Officer, District of New Mexico, and revised and extended by First Lieutenant C. A. Stedman, 9th Cavalry, Acting Engineer Officer, District of New Mexico, is published for the information of the troops serving in this District.

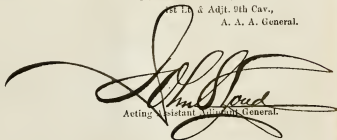
By Command of Colonel Hatch:

JOHN S. LOUD,

1st Lt. & Adj. 9th Cav.,

A. A. A. General.

OFFICIAL:



Acting Assistant Adjutant General.

ROUTE NO. 1.

Roads From Santa Fe, New Mexico, to Fort Lyon and Pueblo,
Colorado, via Fort Union, N. M., and Trinidad, Colorado.

From SANTA FE To	Inter- mediate Dist.	Total Dis- tances.	REMARKS.
	MILES.	MILES.	
Canoncito, Hebert's Ranch, (La Glorietta,)	13 61		Gov. Agency. Good water, grass, wood; bad hills.
Koslowsky's Ranch, San Jose, (Rio Pecos,)	6 39 4 89 18 55	20 00 24 89 43 44	Gov. Agency. Good water, grass and wood. Gov. Agency. Good water, grass and wood. Gov. Agency. Good water, grass and wood along Rio Pecos.
Bernal Spring,	9 86	53 30	Wood, water and grass. Very bad rocky hill de- scending to stage station, $2\frac{1}{2}$ miles north.
Teedote, Las Vegas,	5 47 12 12	58 77 70 89	Gov. Agency. Wood, water and grass along River. Gov. Agency. Wood, Water and grass in the neighborhood of the town.
Sapillo, Tiptonville, Fort Union, Ocate, (and River,)	19 05 3 14 6 72 17 99	89 94 93 08 99 80 117 79	Gov. Agency. Water, grass and wood. Small town. Water and grass.
Apache Hill,	6 85	124 64	Gov. Agency. Bridge crossing. Grazing poor in dry season. No wood. Rocky hill. No grass, wood or water. Forks of road to right called Lower Road, and Road to Rock Ranch.
Sweetwater creek,	6 85	131 49	Bridge crossing. Good water and grass. Pin- on on hills.
Hick's Ranch,	4 03	135 52	On Mountain stream. Gov. Agency. Good wa- ter and grass. Pinon on hills
Rayada,	4 00	139 52	Mexican town; creek. Good ford. Grazing fair. Pinon on the hills.
Cimarron city, (River,)	10 72	150 24	Gov. Agency. Bridge crossing. Good grazing. Pinon on hills. Forks of road 3 miles south. Right hand road called Middle Road. Mid- dle and Lower Road miss Cimarron city.
Vermijo creek,	12 13	162 37	Gov. Agency; good well; bridge crossing; grass and wood.
Crow creek,	12 03	174 40	$2\frac{1}{2}$ miles north of crossing Middle and Lower Roads come in. Stage station.
Canadian or Red River, Willow Spring Ranch,	11 57 6 52	185 97 192 49	Stockton's Ranch; bridge crossing; stage station. Gov. Agency. Good water, grass and pinon. South end of Raton Pass.
Summit of Raton Pass,	8 21	200 70	Pine timber. $\frac{1}{2}$ mile south of boundary line of Colorado and New Mexico.
Hooten's Tollgate, Trinidad,	1 71 12 86	202 41 215 27	Gov. Agency. Water, grass and wood. Mexican town. Gov. Agency. Water, grass and wood in vicinity.
Arroyo, Forage Agency	10 00	225 27	Never failing spring. Grazing fair. Pinon on hills.
Apishpa creek,	10 40	235 67	Gov. Agency. Good water and grass. Cotton- wood along stream.
St. Clara creek,	8 82	244 49	Good ford, gravel bottom. Good water and gra- zing. Wood along stream.
Cucharas creek, Huerfano River,	9 38 9 95	253 87 263 82	Gov. Agency. Good ford. Good water; grass. Good water and grass; cottonwood along stream.
Apache creek, Grenares creek, Grenares creek, upper Branch,	5 66 4 00 0 76	269 48 273 48 274 24	Swift current. Good ford. Water and grass. Good ford. Water and grass. Pinon on hills.
Greenhorn River, Muddy creek, St. Charles' creek, PUEBLO,	2 98 7 99 7 96 12 30	277 22 285 21 293 17 305 47	Bridge crossing; grass, pinon, scrub oak on hills. Good ford; settlements, cottonwood along stream. Hickman's Ranch. Gov. Agency. Good ford. Grass and scattered pinon. Gov. Depot in town.
TRINIDAD,			
Burn's Ranch, on Pur- gatoire River,	215 27		
Sear's Ranch,	17 00	232 00	Gov. Agency. Good Road.
Lockwood's Ranch,	21 00	253 00	Gov. Agency. Good Road.
Bent's canon Ranch,	30 00	283 00	Gov. Agency. Good Road.
Camp on Purgatoire, FORT LYON,	21 00 22 00 11 00	304 00 326 00 337 00	Gov. Agency. Good Road. Good wood, water and grass. Good bridge over Arkansas River at Las Animas, a Mexican town $\frac{3}{4}$ mile from the Post.

ROUTE NO. 2.

Road from Santa Fe, New Mexico, to Pueblo, Colorado, via Taos and Fort Garland, Colorado.

From SANTA FE To	Inter-mediate Dist.	Total Distances.	REMARKS.
	MILES.	MILES.	
Rio Tesuque,	5 24		Poor grazing. Good water. Pinon on hills.
Pojoaque,	11 55	16 79	Gov. Agency. Mexican town.
Santa Cruz,	7 51	24 30	Gov. Agency. Mexican town.
San Juan,	3 89	28 19	Gov. Agency. Mexican town.
Plaza del Alcalde,	2 96	31 15	Gov. Agency. Poor grass, good water.
Cienegilla,	22 33	53 48	Gov. Agency. Mexican town; wood and water; poor grass.
Fernando de Taos,	15 90	69 38	Gov. Agency. Mexican town. Road hilly.
San Cristobal,	11 87	81 25	Gov. Agency. Mexican town. Road hilly.
Red River,	14 30	95 55	Gov. Agency. Mexican town.
Costilla,	21 81	117 36	Gov. Agency. Mexican town.
Culebra,	19 41	136 77	Gov. Agency. Mexican town.
Fort Garland,	19 34	156 11	
First crossing Sangre de Christo creek,	7 50	163 61	Swift current. Good crossing. Wood, water & grass.
Last crossing Sangre de Christo creek,	10 45	174 06	Swift current. Good crossing. Grass, wood and water.
Summit of Pass, Ranch	2 00	176 06	Gov. Agency; good grass, water and wood; steep descent to the north.
Batido,	14 90	190 96	Gov. Agency. Bridge and ford. Grass & wood. Ascend steep hill going north, then good r'd.
Ranch,	6 74	197 70	Forks of stage road from Trinidad. Good grass, water and pinon.
Apache creek,	5 73	203 43	Swift current. Good ford.
Grenares creek,	4 04	207 46	Good ford. Grass. Pinon on hills.
" upper branch	9 76	208 23	Bridge crossing; grass; pinon and scrub oak on hills.
Greenhorn creek,	2 98	211 21	Good ford. Settlements and cottonwood along stream.
Muddy creek,	7 99	219 20	Hickman's Ranch. Gov. Agency.
St Charles creek,	7 96	227 16	Good ford.
PUEBLO,	12 30	239 46	Gov. Depot in town.

ROUTE NO. 3.

Roads From Santa Fe, New Mexico, to Fort Lyon, Colorado, via Fort Union, Emery's Ranch and Dodge's Cut-off.

From SANTA FE To	Inter-mediate Dist.	Total Distances.	REMARKS.
	MILES.	MILES.	
Fort Union,	59 80		See Route No. 1.
Collyer's Store,	6 20	106 00	This Route leaves Stage Road to Trinidad at this Point.
Ojo Gallinas,	5 86	111 86	Mexican settlement. Good water, grass, wood.
Water Hole,	7 90	119 76	Good grazing. Pinon on hills. Road rough. Mal pais in places. Apache hill steep, rough.
Ocate River crossing,	11 95	131 71	Good grazing and water; road hard, level, and smooth. No wood.
Rock Ranch, (Red r'r)	11 37	143 08	Gov. Agency. Good ford, grazing and wood. Forks of road. West road leads to Stage road at Apache hill. Middle road Dodge's cut-off. East road to Tiptonville going S.
Water Hole,	14 14	157 22	At head of small stream. Alkaline. Road hard, level and smooth. Grazing very good.
Burlbank's Ranch,	4 82	162 04	Stock Ranch. Water and grazing very good. Good road. Mal pais in places.
House & Spring, (Castle Mountain,)	11 06	173 10	Spring and house at northern point of mountain. Grazing very good. Road very good.

ROUTE NO. 3.—Continued.

Roads From Santa Fe, New Mexico, to Fort Lyon, Colorado, via Fort Union, Emery's Ranch and Dodge's Cut-off.

From SANTA FE To	Inter- mediate Dist.	Total Dis- tances.	REMARKS.
	MILES.	MILES.	
Forks of Road to Fort Union,	12 32	185 42	West road the longest. Laguna 2 miles west of road.
Spring and Ranch,	5 26	190 68	Running stream. Road good.
Spring and Ranch,	4 01	194 69	Good grazing, water and wood. Road rough and crooked on account of bad pails.
Emery's Ranch,	5 95	200 64	Good water, grass and wood. Mexican settlements along stream and Chusarron river.
Davis' Ranch,	5 69	206 33	Grazing very good. Water slightly alkaline. Wood on hills 2 miles off. Very rough and rocky steep hill leading from Emery's.
Camp in Emery's Gap,	3 00	209 33	Grazing good. No water or wood.
Arroyo Chiquaque,	9 07	218 40	Dry. Water in Chiquaque canon west of road.
Forks Road to Trinidad	6 23	224 63	West road to Trinidad.
Forks of Road,	17 41	242 04	Water 100 yards east of main road. Chobitas or Higby's canon 3 miles west of road. West road via Dry Chusarron longer, but has more water.
Spring and camp,	5 10	247 14	Good spring; Grazing & wood; Road very good.
Ranch, (water,)	11 61	258 75	In canon; good well, grass and wood. A road leads to Willow Spring.
First Water Hole in Rule creek,	21 38	280 13	Water strongly Alkaline; grazing good; pinon.
Last Water Hole in Rule creek,	6 74	286 87	Grazing very good along creek; a few cottonwoods. Pinon on hills.
Rule creek,	2 73	289 60	Leave rule creek. No water. Emery's old road forks here to the East.
Las Animas,	11 97	301 57	Good bridge over Arkansas River; Mexican town
FORT LYON,	0 74	302 31	Good wood and grass along River.

ROUTE NO. 4.

Road from Santa Fe, New Mexico, to Fort Lyon, Colorado, via Emery's Ranch and Willow Spring Creek.

From SANTA FE To	Inter- mediate Dist.	Total Dis- tances.	REMARKS.
	MILES.	MILES.	
Fort Union,	99 80		See Route No. 1.
Collyer's Ranch,	6 20	106 00	Take Stage road. Dodge's cut-off on East road.
Ocate, (and River,)	11 79	117 79	Gov. Agency. Bridge crossing. Grazing poor in dry seasons. No wood.
Apache Hill,	6 85	124 64	Rocky Hill. No grass, wood or water. Leave Stage road west, also Pwr route to crow crk.
Rock Ranch, (Red rvr)	26 42	151 06	Gov. Agency. Grazing and wood. Forks of road. See route No. 3.
Emery's Ranch,	57 56	208 62	See route No. 3. Take west road by Chiquaque canon.
Metcalf's Toll-gate,	1 86	210 48	Good water in Ravine.
Chiquaque canon,	19 45	229 93	Good water, grass and timber.
Sheep Ranch,	20 20	250 13	Poor water, in holes. Deserred Ranch.
Wi-wi-ta-po-niche, (a peeled pine canon, Allen's Ranch, (Carrizo creek,)	7 36	257 49	Little water, in holes. Good grass and timber.
Willow Spring creek,	5 72	263 21	Good water, grass & wood; road rough & rocky.
Sheridan's canon,	18 27	281 48	Good water, grass and wood.
Big Muddy creek,	16 42	297 90	Water in holes. A few cottonwood trees.
Two Butte creek,	4 45	302 35	Creek dry.
Water Hole,	6 10	308 45	Water in holes. Good grass and timber.
Rule creek,	12 90	321 35	Rain water hole. Good grass. No wood.
	15 21	336 56	Water in holes; alkaline; a few cottonwoods along the creek.
Las Animas,	11 97	348 53	Mexican town; Good bridge over Arkansas Rvr.
FORT LYON,	0 74	349 27	

ROUTE NO. 5.

Road from Santa Fe, New Mexico, to Cimarron, via Taos.

From SANTA FE To	Inter- mediate Dist.	Total Dis- tances.	REMARKS.
	MILES.	MILES.	
Cienegilla,	53 48		Gov. Agency. See Route No. 2.
Ranchos de Taos,	15 37	68 85	Gov. Agency. Mexican town.
Divide,	18 52	87 37	Summit of Taos Pass.
Kennedy's,	1 07	88 44	Ranch. Wood. Water and grass.
Hewitt's	2 79	91 23	Ranch. Wood. Water and grass.
Camp in Cimarron canon.	7 29	98 52	Wood. Water and grass.
Toll-gate,	9 69	108 21	Wood. Water and grass.
CIMARRON,	11 01	119 22	Gov. Agency. See Route No. 1.

ROUTE NO. 6.

Road from Santa Fe, New Mexico, to Fort Wingate, N. M., via Pina Blanca.

From SANTA FE To	Inter- mediate Dist.	Total Dis- tances.	REMARKS.
	MILES.	MILES.	
Agua Fria,	5 50		Mexican town. Poor grazing. Very good road.
La Bajada,	15 29	20 79	Gov. Agency. Poor grazing. La Bajada hill descends 1000 feet.
Pina Blanca,	6 01	26 80	Gov. Agency. Mexican village. Crossing Rio Grande. Good ford $1\frac{3}{4}$ miles beyond. Poor grass.
San Ysidro,	25 85	52 65	Gov. Agency. Mexican village. Poor grass.
Rio Puerco,	23 46	76 11	Gov. Agency. Bridge crossing. Pinon on hills.
Cross Springs,	12 73	88 84	Water. Poor grass. Timber.
Willow Spring,	15 73	104 57	Gov. Agency. Good grass, water and wood.
San Mateo,	15 86	120 43	Gov. Agency. Mexican town. Good grass, water and pinon.
Blue Water,	18 21	138 64	Gov. Agency. Good water, grass and wood.
Bacon Spring,	25 99	164 63	Gov. Agency. Good water, grass and wood.
FORT WINGATE,	12 76	177 39	

ROUTE NO. 7.

Roads From Santa Fe, N. M., to Fort Selden, N. M., via Pino's Ranch, Albuquerque and El Jornada del Muerto.

From SANTA FE To	Inter- mediate Dist.	Total Dis- tances.	REMARKS.
	MILES.	MILES.	
Pino's Ranch,	15 36		Gov. Agency. Good water, wood & grass; Road good.
Algodones,	24 06	40 32	Gov. Agency. Mexican town. No grass or wood in vicinity. Road hilly.
Bernalillo,	5 86	46 18	Gov. Agency. Mexican town; no grass or wood in vicinity. Road good.
Zandia,	4 71	50 89	Indian village. No grass or wood in vicinity. Road in parts heavy sand.
Albuquerque,	13 43	64 32	Gov. Agency. Some grass on flats of Rio Grande Cross Rio Grande by ferry. 3 miles below Albuquerque there is a good ford.
Pajarita,	8 42	72 74	Gov. Agency. Mexican town; no grass or wood in vicinity. Sandy road.
Isleta,	5 73	78 47	Indian town. No grass or wood in the vicinity. Sandy road.
Los Lunas,	7 51	85 98	Gov. Agency. Mexican town. Grass in vicinity; water in acequias; no wood; road good.
Belin,	10 70	96 68	Gov. Agency. Mexican town. Grass in vicinity. Water in acequias. No wood. Bad road.

ROUTE NO. 7—Continued.

Roads From Santa Fe, N. M., to Fort Selden, N. M., via Pino's Ranch, Albuquerque and El Jornada del Muerto.

From SANTA FE To	Inter-mediate Dist.	Total Distances.	REMARKS.
	MILES.	MILES.	
Upper Sabinal,	14 04	110 72	Gov. Agency. Mexican town; grass in vicinity.
Lower Sabinal,	2 00	112 72	Water in acequias; no wood; road good.
Forks of Road,	2 50	115 22	Gov. Agency, (Storey's.) Mexican town; grass in vicinity. Water in acequias. No wood. Sandy road.
Rio Puerco, San Carlos,	3 40 2 08	118 62 120 70	Lower road through flats often flooded. Upper road 4 miles longer.
Alamillo,	7 37	128 07	Bridge crossing. Grass and water. No wood. Gov. Agency; grass and water; cottonwood along acequias. Bottom road.
Limitar,	7 18	135 25	Gov. Agency. Grass and water. Cottonwood along acequias. Heavy sandy road.
Socorro,	7 33	142 58	Gov. Agency. Mexican town; no wood or grass in vicinity. Good road.
San Antonio,	10 74	153 32	Gov. Agency. Mexican town; no wood or grass in vicinity. Good road.
San Marcial,	18 51	171 83	Gov. Agency; Mexican village; no wood or grass in vicinity. Good road.
Fort Craig, Gordon's Ferry,	4 31 2 70	176 14 178 84	Mexican town. Grass on flats of Rio Grande. Road good.
Paraje, Lone Mountain,	4 37 17 08	183 21 200 29	Cross Rio Grande; good grass. Cottonwoods on river. Heavy road.
Road forks to Ft. McBae Laguna,	6 56 2 73	207 85 209 58	Gov. Agency. Mexican town. Road heavy. Gov. Agency. Fair grazing. Wood and water hauled 7 miles. Good road.
Aleman, Martin's well,	13 13	222 71	West road to Fort McBae. Good road.
Point of Rocks,	13 24	235 95	1 mile East of road; water in wet seasons. Good grass. No wood. Very good road.
FORT SELDEN,	23 56	259 51	Gov. Agency. Fair grazing. Well 260 feet deep. No wood. Very good road.
VIA LA BAJADA. LA BAJADA,	29 79		Good well. Fair grazing. Wood hauled from hills. Very good road.
Algodones,	19 07	39 86	Gov. Agency. Grass and water. Very bad hill, descends about 1000 feet.

N. B.—During high water take Upper Road between Zandia and Albuquerque. Road very good. Lower road to right not so good, but shorter.

ROUTE NO. 8.

Road from Santa Fe, New Mexico, to Fort Craig, N. M., via Punta del Agua and Abo Pass.

From SANTA FE To	Inter-mediate Dist.	Total Distances.	REMARKS.
	MILES.	MILES.	
Punta del Agua,	85 14		Gov. Agency. Mexican town; see Route No. 16.
El Salinero,	19 00	104 14	Gov. Agency. East end of Abo Pass.
La Joya de Ceboletta,	29 30	133 44	Gov. Agency; Mexican town; good ford across Rio Grande.
Alamillo,	9 00	142 44	Gov. Agency. See Route No. 7.
FORT CRAIG,	48 27	190 71	See Route No. 7.

N. B.—The Road via Antelope Springs, thence to Punta del Agua, is much the better Route.

ROUTE NO. 9.

Road from Santa Fe, New Mexico, to Fort Tulerosa, N. M., via Alamillo.

From SANTA FE To	Inter- mediate Dist.	Total Dis- tances.	REMARKS.
	MILES.	MILES.	
Alamillo,	128 07		See Route No. 7.
San Lorenzo Spring,	7 77	135 84	Good water and grass. Plenty of timber.
Corona del Pueblo,	16 67	152 51	Good water and grass. Plenty of timber.
Monica Spring,	20 58	173 09	Gov. Ag'cy, good water, grass & timber; part hilly
Point of Rocks,	12 26	185 35	Water in holes in wet weather; grass; Piñon on hills. Good road.
Lucra Spring,	12 22	197 57	Old Mail station; good water grass & wood; road very good.
Horse Spring,	24 99	222 56	Old Mail station; good water grass & wood; road very good.
FORT TULEROSA,	18 98	241 54	Abandoned. Mexican settlement.

ROUTE NO. 10.

From Santa Fe, New Mexico, to Albuquerque, New Mexico, via The Tijeras Canon.

From SANTA FE To	Inter- mediate Dist.	Total Dis- tances.	REMARKS.
	MILES.	MILES.	
Forks of Galisteo Road,	8 67		Galisteo Road leads South-east.
San Marcus Spring,	8 45	17 12	Water and grass.
Galisteo Creek,	2 75	19 87	Water and grass. Little wood.
Old Placer,	5 04	24 91	Mexican town. Wood, water and grass.
Forks of Galisteo Road,	6 20	31 11	Galisteo Road leads East.
New Placer,	2 60	33 71	Mexican town. Wood, water and grass.
San Pedro Creek,	6 85	40 56	Wood, water and grass.
San Pedro,	1 15	41 71	Mexican town. Wood, water and grass.
San Antonio,	3 30	45 01	Mexican town. Wood, water and grass.
San Antonio,	4 82	49 83	Mexican town. Wood, water and grass.
Tijeras,	1 84	51 67	Mexican town. Wood, water and grass. Gov. Agency. Road to Peralta.
Mouth of Canon,	6 58	58 25	Water, wood and grass.
ALBUQUERQUE,	11 06	69 31	Gov. Agency. Mexican town.

ROUTE NO. 11.

Road from Santa Fe, New Mexico, to Fort Wingate, N. M., via Pino's Ranch and Albuquerque.

From SANTA FE To	Inter- mediate Dist.	Total Dis- tances.	REMARKS.
	MILES.	MILES.	
Albuquerque,	64 32		Gov. Agency. See Route No. 7.
Crossing Rio Puerco,	15 50	79 82	Gov. Agency; bridge; very steep banks; generally dry; no wood; poor grass.
Water Holes,	7 15	86 97	Rain water holes. Wood and grass.
Sheep Spring,	4 85	91 82	North of road under sandstone cliffs and behind small hill, grass and wood. Water alkaline.
El Rito	8 01	99 83	Gov. Agency. Mexican town; water and grass; little wood; bridge over Rio San Jose.
Laguna,	6 56	106 39	Indian Pueblo; water, grass & wood in vicinity.
Cubero,	10 04	116 43	Gov. Agency. Mexican town; water; no wood; poor grass.
McCarthy's Ranch,	8 80	125 23	Gov. Agency; grass; little wood; water alkaline.
Blue Water,	24 50	149 73	Gov. Agency. Water and grass.
Bacon Springs,	25 99	175 72	Gov. Agency. Good grass, water and wood.
FORT WINGATE,	12 76	188 48	See Route No. 6.

ROUTE NO. 12.

Roads from Santa Fe, N. M., to Fort Bayard, N. M., via Fort Craig, Polomas and Fort Cummings.

From SANTA FE To	Inter- mediate Dist.	Total Dis- tances.	REMARKS.
	MILES.	MILES.	
Fort Craig,	176 14		Good Hotel. See Route No. 7.
Gordon's Ferry,	2 70	178 84	Ferry across Rio Grande; good grazing; cotton- woods along river.
Paraje,	4 37	183 21	Mexican town. Good grazing on River flats.
Lone Mountain,	17 08	200 29	Gov. Agency. Fair grazing. Water and wood hailed 7 miles.
Forks of Rd to Aleman	6 80	207 09	South Road to Aleman and Fort Selden.
Fort McRae,	7 24	214 33	
Las Trepas,	3 52	217 85	Fest's Ferry across Rio Grande. Gov. Agency. Little wood and grass on hills.
Polomas,	15 43	233 28	Mexican town. Gov. Agency. Wood, water & grass in vicinity of town.
Brent's Ranch,	6 84	240 12	Gov. Agency. Wood and water; poor grazing.
Cottonwoods on Rio Grande,	14 13	254 25	McNally & Donohue's Ranch. Gov. Agency. Wood, water and grass.
Water Hole,	11 38	265 63	In deep rocky canon. North of road, "Black Rock Tanks."
Forks of Road,	10 88	276 51	West road leads to Willow and Mule Spring.
Forks of Road,	1 33	277 84	West road leads to Cienega del Macho & Black- man's Ranch on Rio Mimbres. Grist mill. Good road.
Fort Cummings,	9 45	287 29	Gov. Agency.
Hot Springs,	24 26	311 55	Gov. Agency.
FORT BAYARD,	21 33	332 88	
VIA WEST BANK OF RIO GRANDE.			
Fort Craig,	176 14		
San Jose,	18 00	194 14	See Routes No. 32 and 32 1/2.
POLOMAS,	27 00	221 14	See Routes No. 32 and 32 1/2.

ROUTE NO. 13.

Road from Santa Fe, New Mexico, to Fort Bayard, N. M., via Fort Selden, N. M.

From SANTA FE To	Inter- mediate Dist.	Total Dis- tances.	REMARKS.
	MILES.	MILES.	
Fort Selden,	259 51		See Route No. 7; ferry and Ford across Rio Grande.
Stocum's Ranch,	19 95	279 46	Gov. Agency; Grass; water in tanks; no wood; good road.
Ft. Cummings, (ab'nd)	30 96	310 42	Gov. Agency. Water and grass. Pinon on hills. Good road.
Rio Mimbres,	18 76	329 18	Mexican town. Good crossing. Wood, water & grass. Good road.
Hot Springs,	4 74	333 92	Gov. Agency. Good water & grass. No wood. Good road.
FORT BAYARD,	20 31	354 23	

ROUTE NO. 14.

Road from Santa Fe, New Mexico, to Fort Bliss, Texas, via Fort Selden, New Mexico.

From SANTA FE To	Inter- mediate Dist.	Total Dis- tances.	REMARKS.
	MILES.	MILES.	
Fort Selden,	259 51		See Route Nos. 7 and 13.
Dona Ana,	9 45	268 96	Gov. Agency; grazing in vicinity. Approximate distance.

ROUTE NO. 14.—Continued.

Road from Santa Fe, New Mexico, to Fort Bliss, Texas, via
Fort Selden, New Mexico.

From SANTA FE To	Inter- mediate Dist.	Total Dis- tances.	REMARKS.
	MILES	MILES	
Las Cruces,	8 55	277 51	Gov. Agency; grazing in vicinity. Approximate distance.
Old Fort Filmore,	7 00	284 51	Water, wood and grass. Approximate distance.
Cottonwoods,	12 00	296 51	Gov. Agency; water, wood and grass. Approximate distance.
El Paso, Texas,	25 00	321 51	
FORT BLISS,	2 25	323 76	

ROUTE NO. 15.

Road from Santa Fe, New Mexico, to Fort Stanton, N. M., via
Antelope Springs, Los Posos Pinosos and Dow's Cut-off.

From SANTA FE To	Inter- mediate Dist.	Total Dis- tances.	REMARKS.
	MILES.	MILES.	
Galisteo,	22 09		Gov. Agency. Mexican town; poor grazing; no wood; water in creek alkaline; road hilly.
Stinking Spring,	27 45	49 54	Ranch; plenty of water for animals, very alkaline; grazing fair; no wood; road good.
Antelope Spring,	13 42	62 96	Gov. Agency. Good water and grass; no wood; road good.
Salt Lakes,	10 88	73 84	Road leads through Salt and Soda Lakes, very crooked and hilly for 3 miles, otherwise good.
Forks of road Dow's cut-off,	7 47	81 31	Road to Dow's Agency to the south. Road good.
Water in rocks,	6 21	87 52	Near bottom of hill road forks; north road leads to water; south r'd $1\frac{1}{2}$ mile above; roads good.
Los Posos Pinosos,	15 88	103 40	Gov. Agency. Water slightly alkaline. Good grass. Road good.
Jicarilla Agency,	39 11	142 51	Gov. Agency. Good grass and timber; water; after leaving agency take north road.
Patos Spring,	11 15	153 66	Ranch; good grass & water; no wood; road good.
Road to Fort Sumner,	9 00	162 66	Road to Fort Sumner N. K. Road hilly through foot-hills of Sierra Capitan.
FORT STANTON,	12 18	174 84	On Rio Bonito. Road good.
VIA DOW'S AGENCY.			
Antelope Springs,	62 96		See above.
Forks r'd Dow's cut-off,	18 35	81 31	See above.
Dow's Agency,	25 90	107 21	Gov. Agency. Good grass and timber; 2 springs $1\frac{1}{2}$ miles from ranch at the foot of the Galinas mountains. Road heavy sand.
Forks of main road,	5 47	112 68	Going north, right hand road leads to Los Posos Pinosos; roads very good.
Jicarilla Agency,	23 86	136 54	See above.
FORT STANTON,	32 33	168 87	See above.

N. B.—Loaded teams can make drive from Los Posos Pinosos to Dow's Agency, distance 16 miles, and thence to Jicarilla Agency. Road very good.

ROUTE NO. 16.

Road from Santa Fe, N. M., to Fort Stanton, N. M., via Punta del Agua.

From SANTA FE To	Inter- mediate Dist.	Total Dis- tances.	REMARKS.
	MILES.	MILES.	
Gallisteo,	22 09		Government Agency. See No. 14.
Albuquerque and Fort Union Road.	18 34	40 43	Road rough to summit of ascent, thence good over rolling prairie.
Ojo Cibola,	16 65	57 08	Water, good grass, scattered timber. Road very rough. Roads lead to Stinking & Antelope Springs.
Road to Chilli,	11 03	68 11	S. W. road very rough and stony. Thro' heavy timber.
Tojique,	5 52	73 63	Mexican town on stream; good water; heavy timber; road very rough.
Torreón,	2 13	75 76	Mexican town on stream; good water; heavy timber; road fair.
Punta del Agua,	9 38	85 14	Gov. Agency Mexican town. Road good.
Road to Rio Grande,	11 09	96 23	Through Abo Pass. Road hilly.
Water hole,	21 10	117 33	Generally dry. Poor grass. Timber.
Gallinas Spring,	8 71	126 04	Spring $\frac{3}{4}$ mile up hill from graves. Good water. Road very rough.
Patos Spring.	38 41	164 45	See No. 14.
Fort Sumner road,	9 00	173 45	See No. 14.
FORT STANTON,	12 18	185 63	See No. 14.

N. B.—The best road to Abo Pass is by Antelope Springs, thence to Punta del Agua. Distance from Antelope Springs to Punta del Agua, 21 miles.

ROUTE NO. 17.

Road from Santa Fe, New Mexico, to Fort Sumner, N. M.—
(Abandoned.)

From SANTA FE To	Inter- mediate Dist.	Total Dis- tances.	REMARKS.
	MILES.	MILES.	
Tecolote,	58 77		See Route No. 1.
Ojito de Apache,	8 50	67 27	
Anton Chico,	14 00	81 27	Mexican town.
Ojito de la Chuperna,	20 00	101 27	
Las Esteras,	15 25	116 52	
Las Terras,	8 50	125 02	
La Canada de San Juan,	15 00	140 02	
El Alamo Gordo,	12 50	152 52	
Las Carretas,	10 00	162 52	
FORT SUMNER,	14 50	177 02	

ROUTE NO. 18.

Road from Santa Fe, New Mexico, to Fort Bascom, New Mexico,
(abandoned) via Las Vegas.

From SANTA FE To	Inter- mediate Dist.	Total Dis- tances.	REMARKS.
	MILES.	MILES.	
Las Vegas,	70 89		See Routes Nos. 1 and 19.
FORT BASCOM,	116 41	187 30	See Route No. 19.

ROUTE NO. 19.

**Road from Fort Union, New Mexico, to Fort Bascom, New Mex.,
(abandoned) via Las Vegas.**

From FT. UNION to	Inter- mediate Dist.	Total Dis- tances.	REMARKS.
	MILES.	MILES.	
Las Vegas,	28 91		Gov. Agency. Mexican town. See Route No. 1.
Taylor's Ranch,	18 29	47 20	Gov. Agency, good wood and water; poor grass; good road.
Whittemore's Ranch,	23 14	70 34	Gov. Agency. Good wood and water; grass fair; road hilly but good.
Fort Stanton road, Ranch,	1 60 18 82	71 94 90 76	Roads to Forts Stanton and Sumner. Gov. Agency. Well; poor grass; cedar; 2 miles from Rio Conchas; road hilly.
McCleary's Ranch,	15 50	106 26	Gov. Agency. Water in pools alkaline; cotton- woods along creek; road hilly.
Stone Ranch,	13 70	119 96	Gov. Agency. Mexican village on Canadian River— high banks—poor grass; a few cotton- woods.
Johnson's Ranch,	13 81	133 77	On Canadian River; banks well timbered; road hilly.
FORT BASCOM,	11 55	145 32	Gov. Agency. Plenty of wood and water; poor grass; road sandy.

ROUTE NO. 20.

**Road from Fort Union, New Mexico, to Fort Bascom, New Mex.,
(abandoned) via cut-off.**

From FT. UNION to	Inter- mediate Dist.	Total Dis- tances.	REMARKS.
	MILES.	MILES.	
Mora River, Spring,	12 80 1 12	13 92	Johnson's Ranch; very bad crossing; road good. Good grass and water; no wood; road very good.
Water hole,	18 84	32 76	Good grass, water and wood; road very good.
Camp on summit of mountain,	5 97	38 73	Good water in arroyo on northern slope; good grass and timber; very bad hill.
Ranch and water hole, Camp in ravine,	10 61 3 57	49 34 53 71	Good water; cultivation; road hilly and rough. Good permanent water in holes; good grass; scattered timber; road good.
Rio Conchas,	13 12	68 83	Good crossing—steep banks; good grass; no wood; road good.
Rancho de Lopez,	8 25	77 08	Gov. Agency. On Canadian River; good water and grass; wood scarce; road good.
Johnson's Ranch, FORT BASCOM,	12 81 11 53	89 89 100 41	On Canadian River. See Route No. 19. See Route No. 19.

ROUTE NO. 21.

**Road from Fort Stanton, N. M., to Forts McRae and Craig, N.
M., via Nogal Spring.**

From Ft. Stanton to	Inter- mediate Dist.	Total Dis- tances.	REMARKS.
	MILES.	MILES.	
Cienega McGowan, Nogal Spring,	10 02 4 77	14 79	Ranch. Water, wood and grass. Road good. Good water, wood and grass. Road good. Leave Sierra Blanca.
Milargo Spring,	21 19	35 98	Water slightly alkaline. Good grass. Willows. On prairie near edge of mal pais.
Mound Spring,	19 70	55 68	Water slightly alkaline. Good grass. Grease- wood and mesquite brush. Road across mal pais very rough.

ROUTE NO. 21.—Continued.

Road from Fort Stanton, N. M., to Forts McRae and Craig, N. M., via Nogal Spring.

From Ft. Stanton to	Inter- mediate Dist.	Total Dis- tances.	REMARKS.
	MILES.	MILES.	
Road to Tulerosa, (Donna Ana County.)	4 40	60 08	Mal pois spring.
Water hole in St. An- drea mountains,	7 72	67 80	Good water and grazing. Brush.
Ojo del Annaya,	21 15	88 95	Water slightly alkaline. Good grass and brush.
Lone Mountain,	6 11	95 06	Government Agency.
FORT McRAE,	14 04	109 10	
Ojo del Annaya,	88 95		See above.
Paraje,	11 97	100 92	Government Agency. Mexican town.
Gordon's Ferry,	4 37	105 29	See Route No. 7.
FORT CRAIG,	2 70	107 99	See Route No. 7.

ROUTE NO. 22.

Road from Fort Stanton, N. M., to Fort Selden, N. M.

From Ft. Stanton to	Inter- mediate Dist.	Total Dis- tances.	REMARKS.
	MILES.	MILES.	
Copeland's Ranch,	8 15		Good water and grazing. Wood on adjacent hills. Good mountain road.
Dowlin's Mill,	9 35	17 50	Gov. Agency. Saw and grist mill. Road hilly and rough in places.
Blazer's Mill,	18 00	35 50	Gov. Agency. Water alkaline. Fair mountain road.
Tulerosa,	16 77	52 27	Gov. Agency. Water alkaline. Mexican town.
Lost River,	9 85	62 12	Water alkaline. Grazing fair. Greasewood abounds on adjacent prairie.
Water hole at White Sands,	15 10	77 22	Water alkaline—at times very bad. No wood. Very inferior grazing.
Shed's Ranch, St. Au- gustine Pass.	31 66	108 88	Gov. Agency. Water good. Road good.
Donna Ana,	19 12	128 00	Gov. Agency. Mexican town. Road sandy in valley Rio Grande.
Lensburg,	7 20	135 20	Ranch. Good water and grass. Road sandy.
FORT SELDEN,	2 25	137 45	Road sandy.
VIA UPPER ROAD.			
Shed's Ranch, St. Au- gustine Pass.	108 88		Government Agency.
FORT SELDEN,	27 31	136 19	Road sandy the greater part of the way after leaving the Organ Mountains.

ROUTE NO. 23.

Road from Fort Stanton, N. M., to Seven Rivers, via The Cottonwoods.

From Ft. Stanton to	Inter- mediate Dist.	Total Dis- tances.	REMARKS.
	MILES.	MILES.	
Lloyds Ranch,	56 99		Gov. Ag'cy. Good water and grass. See Route 26.
Rio Felix,	23 54	80 53	No water nor wood. Fair grazing.
Cottonwoods,	12 33	92 86	Waterhole—alkaline. Good grass. No wood.
Rio Penasco,	13 96	106 82	GBBerts ranch. Gov. Agency. Good water & grass.
Gardner's Ranch on Seven Rivers.	8 40	115 31	Gov. Agency. Good water and grass.
Reed's Ranch on Sev- en Rivers,	5 04	120 35	Gov. Agency. Good water and grass.

ROUTE NO. 24.

Road from Fort Stanton, N. M., to Black River, via Lloyd's Ranch, Cotton Wood and Seven Rivers.

From Ft. Stanton to	Inter- mediate Dist.	Total Dis- tances.	REMARKS.
	MILES.	MILES.	
Lloyd's Ranch,	56 99		Gov. Ag'cy. Good water and grass. See Route 26. Large waterhole—alkaline. Good grass. No wood. Gov. Agency. On Seven Rivers. Excellent springs on banks of Rio Pecos. Good grass. Little brush.
Cottonwoods,	35 87	92 86	
Reed's Ranch,	27 49	120 35	
Shankerville,	17 14	137 49	
Briggs' ranch on Black River,	19 06	156 55	Gov. Agency. Good water and grass.

ROUTE NO. 25.

Road from Fort Stanton, N. M., to Seven Rivers, via Van Smith's.

From Ft. Stanton to	Inter- mediate Dist.	Total Dis- tances.	REMARKS.
	MILES.	MILES.	
Van Smith's Ranch,	79 42		See Route No. 26. Good water and grass. Hudson's Ranch. Gov Agency one mile down stream.
South Spring River,	4 72	84 14	
Rio Felix,	17 88	102 02	Large waterholes. Good ford. Good grass No wood.
Mustang Lakes,	10 12	112 14	
Rio Pecos,	17 82	129 96	Water alkaline. Good grass. No wood. Gilbert's Ranch. Gov. Agency. Good water and grass.
Beckwith's Ranch on Seven Rivers,	9 98	139 94	Gov. Agency and Store. Water and grass.

ROUTE NO. 26.

Road from Fort Stanton, N. M., to Fort Bascom, N. M., via the Rio Hondo and Fort Sumner, N. M.

From Ft. Stanton to	Inter- mediate Dist.	Total Dis- tances.	REMARKS.
	MILES.	MILES.	
Lincoln,	10 27		Gov. Agency. Mexican town on Rio Bonito. Grass, wood and water.
Spring Ranch,	8 02	18 89	
Casey's Ranch,	8 51	27 40	Gov. Agency. Good water and grass.
Lloyd's Ranch,	29 59	56 99	Gov. Agency. Good water and grass.
Van Smith's Ranch,	22 43	79 42	Gov. Agency. Good water and grass.
North Antelope Spring,	4 39	83 81	Good water and grass. No wood.
Lloyd's crossing.	16 00	99 81	Good fording of Rio Pecos. Water salt and muddy. Poor grass. No wood.
Bosque Grande,	17 25	117 06	Gov. Agency. Chisum's ranch. Poor water. Grazing fair.
12 mile bend.	11 81	128 87	Poor water and grass. No wood.
Cedar Canon,	14 82	143 69	Sometimes water in rocky ravine. Grass. No wood.
18 mile bend,	6 72	150 41	Poor water. Good grass. Mesquit wood.
Fort Sumner, (abundant)	17 26	167 67	Gov. Agency. Maxwell's ranch Wood, water and grass.
Lone Trees,	24 23	191 90	Kiowa Springs 800 yards up canon at edge of Staked Plains.

ROUTE NO. 26.—Continued.

Road from Fort Stanton, N. M., to Fort Bascom, N. M., via the Rio Hondo and Fort Sumner, N. M.

From Ft. Stanton to	Inter- mediate Dist.	Total Dis- tances.	REMARKS.
	MILES.	MILES.	
Comanche Trail,	1 64	193 54	From Puerto de Lana on Rio Pecos to Indian country.
Comanche Spring,	11 93	205 47	Good grass, water and wood.
Fort Smith and Santa Fe road,	18 32	223 79	Good water, wood and grass. Running stream in arroyo for $3\frac{1}{4}$ mile. Tucumcari mountain 6 miles due east.
Water hole,	11 00	234 79	
Pajarito Creek,	2 83	237 62	Good water and grass. Mesquit wood. Road good.
FORT BASCOM, (ab'd)	9 17	246 79	Gov. Agency. On Canadian River plenty of wood and water. Poor grass. Road hilly and broken.

ROUTE NO. 27.

Road from Fort Stanton, N. M., to Fort Bascom, N. M., via Dry Route to Fort Sumner, N. M.

From Ft. Stanton to	Inter- mediate Dist.	Total Dis- tances.	REMARKS.
	MILES.	MILES.	
Forks of road,	9 00		N. E. road to Ft Sumner. North road to Santa Fe.
Harrison's Ranch,	18 18	27 18	Good water and grass. No wood.
Cedar Canon,	16 39	43 57	Sometimes water in pools. Some Pinon.
Rock Canon,	24 36	67 93	Water hole. Good grass. No wood
stinking Spring,	23 82	91 75	Water sulphuric. Good grass. No wood.
Rock Creek,	15 35	107 10	Large water hole. Brush. Good grazing.
Water hole in rocky ravine,	10 15	117 25	Large water hole. Brush. Good grazing.
Fort Sumner,	20 12	237 37	Gov. Agency. Maxwell's Ranch. See Route 26.
FORT BASCOM,	79 12	216 49	See Route No. 26.

ROUTE NO. 28.

Road from Fort Union to Fort Stanton, N. M., via Dry Route.

From FT. UNION to	Inter- mediate Dist.	Total Dis- tances.	REMARKS.
	MILES.	MILES.	
Las Vegas,	28 91		See Route No. 1.
Taylor's Ranch,	18 29	47 20	Gov. Agency. See Route No. 18. Roads to Forts Bascom, Sumner and Stanton fork south of this Agency.
Anton Chico,	12 43	59 63	Gov. Agency. Mexican town.
Sheep Spring,	21 78	81 41	Sometimes dry. Good grass. Plenty of timber.
Deer Spring,	14 04	95 45	Water. Good grass. Timber $3\frac{1}{4}$ miles N. E. of road up a canon.
The Buttes,	13 88	109 33	Water on south slope, left of road, 300 yards up hill in rocky basin. Poor grass. No wood.
Spring,	4 84	114 17	Small spring in rocky ravine on right of road.
Los Posos Pinosos,	23 59	137 76	Gov. Agency. Water slightly alkaline. See Route No. 15.
Jicarilla Agency,	39 11	176 87	Gov. Agency. Plenty of grass and timber. Water hauled from spring. Well not completed.
Patos Spring,	11 15	188 02	See Route No. 15.
FORT STANTON,	21 18	209 20	See Route No. 15.

ROUTE NO. 29.

Road from Fort Craig, N. M., to Fort Wingate, N. M., via Horse Springs and Rito Quemado.

From FT. CRAIG to	Inter- mediate Dist.	Total Dis- tances.	REMARKS.
	MILES.	MILES.	
Carrizo Spring,	24 92		Water, grass and timber. Road to spring rough.
Monica Spring,	15 06	40 58	Gov. Agency. Good water, grass and timber. Part hilly.
Point of Rocks,	12 26	52 84	Water in holes in wet weather. Grass. Pinon on hills and scrub oak. Road good.
Laera Spring,	12 22	65 06	Old mail station. Good water, grass and wood. Road good.
Horse Spring,	24 99	90 05	Old mail station. Good water, grass and wood. Road good.
Spring,	10 65	100 70	Good water. Plenty of timber.
Spring,	11 60	112 30	Good water.
Rito Mangos,	2 08	114 38	Good water and grass. Brush.
Rito Quemado,	10 73	125 11	Good water and grass. Brush.
Water Hole,	27 06	152 77	Good grass and timber.
Camp on arroyo,	6 76	159 53	Good grass. No water nor wood.
Pescado Spring,	31 42	190 95	Good water and grass. Pinon on hills.
Zuni Village,	1 76	192 71	Indian settlement.
Zuni Village,	13 02	205 73	Indian settlement.
Natria Creek,	0 77	206 50	Good water, grass and timber.
FORT WINGATE,	14 67	221 17	

N. B.—Another road from Fort Craig to Monica Springs leads through Big Canon—enquire at Fort Craig—distance shorter.

ROUTE NO. 30.

Trails from Fort Wingate, N. M., to Fort Craig and Ojo Caliente, N. M., via McCartty's Ranch and Monica Springs.

From Ft. Wingate to	Inter- mediate Dist.	Total Dis- tances.	REMARKS.
	MILES	MILES	
McCartty's Ranch,	63 25		See Route No. 11. Good road.
Indian Pueblo,	14 75	78 00	Cultivation. Plenty of wood water and grass. Trail good.
Water Tank,	9 00	87 00	In head of canon N. E. An abundant supply of good water, grass and timber. Trail good.
A fine spring,	18 00	105 00	At foot of bluffs. Abundance of water, wood and grass. Trail good. Country rolling heavily.
Independence Spring,	12 00	117 00	Old sheep ranch. Wood, water and grass in abundance. Trail good.
Camp,	18 65	135 65	In canon. Plenty of water obtained by digging. Wood and grass. Trail over foot-hills.
A fine spring,	17 66	153 31	West of trail. Plenty of wood, water and grass. Trail very good.
Cross Forts Craig and Tulerosa road,	12 00	165 31	Forks of road to Forts Craig, Tulerosa, and S-curro. Trail very good.
Monica Springs,	2 28	168 19	Gov. Agency. Saw mill. Wood, water & grass.
FORT CRAIG,	40 58	208 77	See Route No. 29.
Monica Springs,	168 19		See above.
Forks of Canons,	15 00	183 19	Plenty of wood, water and grass. Trail good.
OJO CALIENTE,	20 50	203 69	Post and Gov. Agency. Water and grass. Wood scarce. Trail very good.

ROUTE NO. 31.

Road from Fort Craig, N. M., to Fort Tulerosa, N. M., and Camp Apache, A. T.

From FT. CRAIG to	Inter- mediate Dist.	Total Dis- tances.	REMARKS.
	MILES.	MILES.	
Carrizo Spring,	24 92		Water, grass and timber. Road to spring rough. See Route No. 29.
Monica Spring,	15 66	40 58	Gov. Agency. Good water, grass and timber. Part hilly.
Point of Rocks,	12 26	52 84	Water in holes in wet weather. Grass. Pinon on hills and scrub oak. Road good.
Laera Spring,	12 22	65 06	Old mail station. Good water, grass and wood. Road good.
Horse Spring,	24 99	90 05	Old mail station. Good water, grass and wood. Road good.
Camp Apache trail,	7 30	97 35	Trail leads off to right. Grass and timber. Road good.
Forks of Tulerosa road,	5 78	103 13	Road to Fort Tulerosa leads S. W. Camp Apache road W. N. W. Road good.
Gallo Spring,	12 96	116 09	In valley north of road. Good water, grass and timber. Road good.
Carrizo Spring,	8 43	124 52	Good water, grass and timber. In canon 3 miles south good grass & timber. Running stream. Road winding and hilly.
Rancheria Vega Sp'ng,	10 96	135 48	At base of hill south of road. Water, grass and wood. Road hilly.
Oak Spring,	4 83	140 31	Excellent water. Grass and scrub oak in abun- dance. Country rolling and densely tim- bered. Grazing excellent. Road rocky.
Cienega,	11 56	151 87	Road leads to Cienega to the south. Water scant. Plenty of timber. Road part rocky.
Spring,	11 54	163 41	At base of bluff. Water scant. Thick timber. Good grass. Road hilly.
R'd to Mulligan's R'ch,	5 28	168 69	To south on Little Colorado river. Road hilly— part rocky—then good.
Little Colorado River,	2 45	171 14	Very good crossing, low banks, good water and grass. Underbrush. Road good.
Cave on Blue Spring,	11 07	182 21	At base of Rocky Mesa. Good water, grass and timber. Road hilly.
Small Spring,	2 45	184 66	200 yards south of road. Road hilly.
Forks of road,	5 22	189 88	Take southern road. North, the old road. Road hilly over ridges.
Running stream,	3 41	193 29	Water and wood in abundance. Road rocky over foot-hills.
Forks Wingate road,	5 31	198 60	Road to Fort Wingate north. Spring of good water at junction. Grass and timber.
Summit Spring,	2 34	200 94	Good water and grass. Poplars in vicinity. Good grazing.
Forks Camp Verde r'd,	2 14	203 08	Road to Camp Verde N. W. Several springs close by. Good grazing and timber.
Campo Dinero,	9 74	212 82	Or Willow Spring. Good water. Grass and timber in abundance.
Old Corral Spring,	5 12	217 94	Good water and timber.
Cooley's Ranch,	6 72	224 66	One-half mile off road on river. Good water, grass and timber.
CAMP APACHE,	6 82	231 48	
Horse Spring,	90 05		See above.
Camp Apache trail,	7 30	97 35	See above.
Camp Apache road,	5 78	103 13	See above.
FORT TULEROA,	5 90	109 03	Abandoned. Mexican settlement.

N. B.—From Fort Tulerosa to Gallo Spring by road, 20 miles; through northern canon—
difficult for light wagons—12 miles.

ROUTE NO. 32.

Road from Fort McRae, N. M., to Ojo Caliente.

From Fort McRae to	Inter- mediate Dist.	Total Dis- tances.	REMARKS.
	MILES.	MILES.	
Alamocita,	4 93		Mexican town. Road hilly.
Rio Grande crossing,	2 60	7 53	Good ford. Bottom gravel and stony. Road good.
Fort Craig road,	2 16	9 69	At old ruins. North road to Fort Craig by San Jose. West road to Canada Alamosa.
Canada Alamosa,	18 31	28 00	Gov. Agency $1\frac{1}{2}$ miles S. E. of town. Mexican town. Wood and water. Poor grass. Road good.
OJO CALIENTE,	19 25	47 25	Plenty of wood, water and grass all along road. Road good—crosses stream several times. Government Agency at Ojo Caliente.

ROUTE NO. 32½.

Road from Fort Craig, N. M., to Ojo Caliente.

From FT. CRAIG to	Inter- mediate Dist.	Total Dis- tances.	REMARKS.
	MILES.	MILES.	
San Jose,	18 00		Mexican town. Government Agency.
Canada Alamosa,	25 75	43 75	Government Agency. See Route No. 32.
OJO CALIENTE,	19 25	63 00	See Route No. 32.

ROUTE NO. 33.

Road from Fort Tulerosa, N. M., to Fort Wingate, N. M.

From Ft. Tulerosa to	Inter- mediate Dist.	Total Dis- tances.	REMARKS.
	MILES.	MILES.	
Gallo Spring,	20 64		On Camp Apache road. Good water, grass and timber. Road good—by trail 12 miles.
Mouth of canon,	6 92	27 56	Canon leads N. E. $1\frac{1}{2}$ miles east of Carrizo spring. Trail good.
Camp in n'rth'n canon,	0 59	28 15	Good water, grass and pine timber. Bad marsh in canon.
Running stream,	9 00	37 24	Good water and grass. Pinon on hills. Cotton-woods along stream.
Waterholes,	9 87	47 11	Good water, grass and cedars.
Laguna,	1 92	49 03	Good water and grass. Pinon and cedar. There is another Laguna west of road, 14 miles from the last—under mountain—good water.
Camp at canon,	28 70	77 73	Water in holes slightly alkaline. Good grass and timber. Down canon S. W. plenty of water.
Zuni River,	28 70	106 43	Water slightly alkaline—in pools—poor grass. scrub cedars.
Zuni village on Nutris,	12 29	118 72	Good water and grass. Pinon on hills. Cultiva- tion.
FORT WINGATE,	15 35	134 07	

ROUTE NO. 34.

Road from Fort Wingate, N. M., to Camp Apache, A. T.

From Ft. Wingate to	Inter- mediate Dist.	Total Dis- tances.	REMARKS.
	MILES.	MILES.	
Nutria creek,	16 12		Good water and grass. Pinon on hills.
Pescado spring,	10 86	26 98	Good water and grass. Wood scarce.
Zuni,	13 52	40 50	Indian village. Gov Agency. Grazing poor.
Spring Ranch,	21 12	61 62	Good water and grass. Plenty of wood.
Dry Camp,	22 98	84 60	No wood nor water.
Little Colorado River,	12 00	96 60	Mexican ranch and toll-bridge. Grazing poor.
Cave on Blue Spring,	14 16	110 76	Good water and grass. Plenty of timber.
Forks Ft. Wingate r'd,	16 39	127 15	Good spring at junction of roads. Grass & timber.
Summit Spring,	2 34	129 49	Good spring at junction of roads. Grass & timber.
Campo Dinero,	11 88	141 37	Good spring at junction of roads. Grass & timber.
Cooley's Ranch,	11 84	153 21	1/2 mile off road on river. Good water, grass and timber.
CAMP APACHE,	6 82	160 03	

ROUTE NO. 35.

THE NORTH STAR ROAD.

From Fort Bayard to	Inter- mediate Dist.	Total Dis- tances.	REMARKS.
	MILES.	MILES.	
Rio Mimbres.	15 29		Grass, wood and water. Road hilly.
McKnight's Ranch,	8 00	23 29	Spring Good grass and pinon. Road good.
Willow Spring,	9 70	32 99	Water, grass and wood. Steep hill down to arroyo.
Mouth of rocky canon,	3 25	36 24	Junction of Bear and Rocky canons. Plenty of water by digging down canon. Plenty of wood and grass.
Black River,	7 11	43 35	Camp Beyer. Wood, water and grass. Hills impassable for loaded wagons. Good cavalry trail.
Diamond Creek,	13 91	57 26	Wood and water. Good grazing on hills. Road leads up the creek 2 miles. Places very mairy.
Camp Vincent,	6 93	64 19	Confluence of Gila River and Warm Spring Creek. Wood, water and grass. Road hilly.
Camp Shannon,	5 15	69 34	Mouth of side canon coming in from the east, up which leads trail to Ojo Caliente. Water, grass and wood.
Sherman's Canon, (ca'p)	7 14	76 48	4 miles in very winding canon. Wood, water & grass. Road very good.
Camp Sherman,	1 15	77 63	North end of canon. Grass, wood and water. Road very boggy. Corderoy crossing dangerous.
Shaw's Ranch,	12 92	90 55	Good water and grass. Pinon on hills. Trail to Ojo Caliente 18 miles east. Road very good.
Puddy's water hole,	12 70	103 25	Water bad. Good grass and timber. Indian trail from Tulerosa to Ojo Caliente crosses here. Road good.
Forks r'd to Rio Grande	2 61	105 88	N. E. road leads to Point of Rocks. Road good.
OJO CALIENTE,	20 94	126 82	Indian and Government Agency Water & grass. Timber on hills. Road very good.
Shaw's Ranch,	90 55		See above.
Point of Rocks,	29 82	120 37	On Tulerosa road. Road from this to Ojo Caliente. Road good.
Monica Springs,	12 26	132 63	Gov. Agency. Saw mill. Good water, grass and wood. Road good.
Ojo del Pueblo,	21 50	154 13	Good water, wood and grass. Road very good.
La Tinsa,	11 82	165 95	Garcia's Ranch. Good water, wood and grass. Road good.
Arroyo,	9 94	175 89	Water and wood. No grass. Canon bad. Road rocky and rough—in places heavy sand.

ROUTE NO. 35.—Continued.

THE NORTH STAR ROAD.

From Fort Bayard to	Inter- mediate Dist.	Total Dis- tances.	REMARKS.
	MILES.	MILES.	
Rio Puercio,	14 08	189 97	Road over a rolling country. Not very well traveled. Heavy sand. Gov. Agency. Water and grass. No. wood. On Rio Grande. Road heavy sand. See Route No. 7.
Sabinal, (Story's)	2 62	192 59	
SANTA FE,	112 72	305 31	

N. B.—Ford Rio Grande at Sabinal for eastern routes through Abo Pass. Trail from Shaw's Ranch to Ojo Caliente, 18 miles.

ROUTE NO. 36.

Road from Santa Fe, N. M., to Alamosa, Colorado.

From SANTA FE to	Inter- mediate Dist.	Total Dis- tances.	REMARKS.
	MILES.	MILES.	
Rio Tesuque,	5 24		Mexican town. Wood and water. Very little grass on hills. Road hilly and sandy. Good ford.
Pojoaque,	12 04	17 28	Mexican town. Gov. Agency. No wood or grass. Road good.
Santa Cruz,	7 48	24 76	Mexican town. Gov. Agency. No wood or grass. Road hilly and very sandy. Good ford Canada creek.
San Juan,	4 65	29 41	Indian Pueblo. Gov. Agency. No wood or grass. Road level—part sandy. Ford and ferry of Rio Grande.
San Jose, Ojo Caliente cr.	16 63	46 04	Mexican town. Little wood on creek. No grass. Road very heavy sand.
Camp Swope,	20 26	66 30	Stage station. To left of road. Water in wet seasons. Wood abundant.
Las Tres Piedras,	10 75	77 05	Stage station. Gov. Agency. Wood and water. Very little grass. Road good—one steep hill.
Camp Dodge,	8 63	85 68	Stage station. To left of road. Water in wet season. Little wood. No grass.
San Antonio creek,	21 93	107 61	Mexican town, Senicero. Little wood on creek. Little grass. Crossings of the San Antonio creek good. Road good.
Valdez's Ranch, San Jose, Conejos river,	3 03	110 64	Mexican town. Gov. Agency. Wood on river. No grass in vicinity of town. Road good.
Schulz's Ranch, Conejos river.	11 91	122 55	Wood and grass on river. Road follows Conejos river, heavy in wet seasons.
La Jara Creek,	7 97	130 52	No wood. Poor grass. Bad, muddy, crossing of creek. Road, more or less sandy.
ALAMOSA,	7 53	138 05	Railroad town. Gov. Agency. Bad marshy road from La Jara Creek, impassable in wet seasons.

N. B.—During the wet season the road from Alamosa to Head's Ranch or Guadalupe, Conejos River, is preferable—a few miles further.

ROUTE NO. 37.

Road from Santa Fe, N. M., to Fort Garland, Col., via Pedro Sanchez's, Taos Creek, and Blackmoore's on Culebra Creek.

From SANTA FE to	Inter- mediate Dist.	Total Dis- tances.	REMARKS.
	MILES.	MILES.	
Rio Tesuque,	5 24		Mexican town. Good ford, Tesuque creek. Wood and water. Poor grazing. Road hilly & sandy.
Pojoaque,	12 04	17 28	Mexican town. Good ford, Namba creek. Government agency. Road good.
Santa Cruz,	7 48	24 76	Mexican town. Good ford, Canada creek. Government agency. Road hilly and sandy.
San Juan,	4 65	29 41	Indian Pueblo. Government agency. Road level, part sandy.
Plaza del Alcalde,	2 10	31 51	Mexican town. Gov. agency. Road sandy.
La Joya,	6 67	38 18	Mexican town. Gov. agency. Road heavy sand.
Rinconada,	10 24	48 82	Mexican town. Gov. agency. Road good, thro' canon Rio Grande.
Cieneguilla,	7 19	55 61	Mexican town. Gov. agency. Road good thro' canon Rio Grande.
Pedro Sanchez's, Taos creek,	13 56	69 17	Mexican town. Gov. agency. Road, rough and sandy in canon of Cieneguilla, steep hills at Arroyo Hondo.
San Cristobal,	17 51	86 68	Mexican town. Gov. agency. Road, hilly and rough in places.
Red River,	11 85	98 53	Mexican town. Gov. agency. Road very hilly.
Costilla,	19 90	118 43	Mexican town. Gov. agency. Road good. Good ford and bridge, Costilla creek.
Blackmoore's, Culebra creek,	16 19	134 62	Ranch. Gov. agency. Road good. Culebra creek bridged at Ranch.
FORT GARLAND,	15 56	150 18	Military post and railroad station. Road good

Appendix to Table of Distances.

Road from Tucson, A. T., to Fort Bayard and Mesilla, N. M.

From TUCSON to	Inter- mediate Dist.	Total Dis- tances.	REMARKS.
	MILES.	MILES.	
Dry Camp,	17 05		Road good. Wood and grass.
La Cienega,	9 85	26 90	Road good. Wood, water and grass.
San Pedro,	20 33	47 23	Road good. Wood and water.
Dragoon Springs,	12 24	59 47	Road good. Wood and grass. Water not per- manent.
Sulphur Springs,	14 68	74 15	Road good. Water abundant. Good grass.
Camp Bowie,	21 73	95 88	Wood, water and grass.
San Simon,	17 80	113 68	Running water. Good grass. Wood scarce.
Steen's Peak,	12 34	126 02	Rough road. No water. Wood and grass near.
Barney's Station,	22 81	148 83	Tank of rain water. Grass near. No wood.
Soldiers' Farewell,	15 93	164 76	Grass and wood. No water.
Cow Springs,	12 83	177 59	Water abundant. Grass good.
Mimbres River,	15 52	193 11	Wood, water and grass abundant.
Fort Cummings,	17 07	210 18	Gov. agency. Water plenty. Grass and wood.
Good Sight,	11 60	221 78	Good road. Grass. No wood nor water.
Stocum's Ranch,	19 15	240 93	Gov. agency. Water in tanks. Grass. No wood.
Rough and Ready,	4 32	245 25	Old stage station. S. E. road to Mesilla. E. road to Fort Selden.
Picacho,	19 62	255 87	On Rio Grande. Good road. Wood and water.
MESILLA,	6 00	261 87	Government agency in town.
Cow Springs,	177 50		
FORT BAYARD,	29 00	296 50	

Road from El Paso, Texas, to Fort Concho, Texas, via Forts Davis and Stockton, (stage road.)

From EL PASO to	Inter- mediate Dist.	Total Dis- tances.	REMARKS.
	MILES.	MILES.	
Fort Bliss,	2 25		Military Post.
San Elizario,	22 75	25 00	Mexican town. Wood and water.
Pierpont's Ranch,	25 00	50 00	On Rio Grande. Wood. Grass poor.
Rice's Station,	20 00	70 00	Old stage station on Rio Grande. Wood. Good grass in vicinity.
Fort Quitman,	10 00	80 00	Old abandoned post. Wood, water and grass.
Fargo Station,	5 00	91 00	Stage Station on Rio Grande. Wood and water. No grass. Road leaves valley of Rio Grande.
Eagle Spring,	45 40	136 40	Stage station. Permanent water. Wood scarce. Grass in vicinity.
Van Horn's well,	22 00	158 40	Stage station. Water scarce and uncertain. No wood. Good grass.
El Muerto, (spring)	36 00	194 40	Stage station. Three springs—water sufficient for a small command. Wood scarce. Good grass.
Barrel Spring,	16 11	210 51	Old stage station. Very little wood and water, the latter not permanent.
Fort Davis,	20 13	230 64	Military Post.

Road from El Paso, Texas, to Fort Concho, Texas, via Forts Davis and Stockton, (stage road.)—Continued.

From EL PASO to	Inter- mediate Dist.	Total Dis- tances.	REMARKS.
	MILES.	MILES.	
Barrillo Spring Station,	25 16	255 80	Water at station or in vicinity. No wood. Good grass.
Hackberry,	15 00	270 80	Wood scarce. Water in rainy season—not permanent. Good grass.
Mustang Ponds,	16 00	286 80	Wood scarce. Water in rainy season—not permanent. Good grass.
Leon Holes,	9 20	296 00	Water. No wood. Good grass.
Fort Stockton,	10 21	306 21	Military Post.
Escondido Station,	19 22	325 43	Wood and water. Poor grass.
Lower Escondido,	8 23	333 66	Water and grass. Wood scarce.
Pecos Station,	16 25	349 91	Wood, water and grass.
Centralia,	40 00	389 91	No permanent water. Stage station. Mesquit wood and grass.
Mustang Water Holes,	12 00	401 91	No water except in rainy season. Mesquit wood and grass.
Head of Rio Concho,	14 00	415 91	Stage station. Water, wood and grass. River subject to rapid and excessive rises.
Camp Charlotte,	9 00	424 91	Old military camp. Wood, water and grass.
Johnson's Station,	19 00	443 91	Stage station. Wood, water and grass.
FORT CONCHO,	25 00	468 91	Military Post.

Road from El Paso, Texas, to Fort Clark, Texas.

From EL PASO to	Inter- mediate Dist.	Total Dis- tances.	REMARKS.
	MILES.	MILES.	
Fort Bliss,	2 25		Military Post.
San Elizario,	22 75	25 00	Mexican town. Wood and water.
Pierrpont's Ranch,	25 00	50 00	On Rio Grande. Wood. Grass poor.
Rice's Station,	20 00	70 00	Old stage station on Rio Grande. Wood. Good grass in vicinity.
Fort Quitman,	16 00	86 00	Old abandoned post. Wood, water and grass.
Fargo Station,	5 00	91 00	Stage Station on Rio Grande. Wood and water. No grass. Road leaves valley of Rio Grande.
Eagle Spring,	45 40	136 40	Stage station. Permanent water. Wood scarce. Grass in vicinity.
Van Horn's well,	22 00	158 40	Stage station. Water scarce and uncertain. No wood. Good grass.
El Muerto, (spring)	36 00	194 40	Stage station. Three springs—water sufficient for a small command. Wood scarce. Good grass.
Barrel Spring,	16 11	210 51	Old stage station. Very little wood and water, the latter not permanent.
Fort Davis,	20 13	230 64	Military Post.
Barrillo Spring Station,	25 16	255 80	Water at station or in vicinity. No wood. Good grass.
Hackberry,	15 00	270 80	Wood and water scarce. Good grass.
Mustang Ponds,	16 00	286 80	Wood and water scarce. Good grass.
Leon Holes,	9 20	296 00	Water. No Wood. Good grass.
Fort Stockton,	10 21	306 21	Military Post.
Escondido Station,	19 22	325 43	Wood and water. Poor grass.
Lower Escondido,	8 23	333 66	Water and grass. Wood scarce.
Pecos station,	16 25	349 91	Wood, water and grass.
The Rifles,	22 27	372 18	Wood, water and grass.
Pecos Spring,	14 28	386 46	Good water, wood and grass.
Rio Pecos crossing,	4 29	390 75	Good ford—current very swift. Wood and grazing along river.
Live Oak, (Pt. Lancaster,)	4 29	395 04	Old abandoned post. Good water, wood & grass.

Road from El Paso, Texas, to Fort Clark, Texas.—Continued.

From EL PASO to	Inter- mediate Dist.	Total Dis- tances.	REMARKS.
	MILES.	MILES.	
Cedar Brakes,	16 00	411 04	Water in hole to left of road, (not permanent.) Cedar in arroyo. Good grass.
Howard's Well,	19 33	430 37	Old stage station on right bank of creek. Well in bottom of dry creek. Inexhaustible sup- ply of water. Steps have been built to well which fills as fast as dipped out. Wood and grass.
Johnson's Run,	18 00	448 37	Water not permanent. Wood and grass.
Santa Nina,	8 00	456 37	Water, not permanent, in a hole by a little hill to left of road. A grave opposite to right of road. Wood and grass.
Beaver Lake Station,	14 37	470 74	Old stage station. Good water, wood and grass.
Head of Devil's River,	12 38	483 12	Good water, wood and grass.
Camp Hudson,	10 39	493 51	Old abandoned post. Good water, wood & grass.
Dendman's Pass,	14 00	507 51	No water except in rainy season, on left of road. No wood. Good grass.
California Spring,	7 00	514 51	Water not permanent. No wood. Grass good.
Yellow Banks,	3 00	517 51	Water not permanent. Wood and grass.
Painted Rocks,	16 00	533 51	Wood, water and grass.
San Pedro, or first crossing of Devil's R.)	3 00	536 51	Old stage station. Very steep hill. Wood, wa- ter and grass along river.
San Felipe,	10 43	546 94	Small town.
Sycamore Creek,	13 45	560 39	Wood, water and grass.
Mud Creek,	3 00	563 39	Water and grass. No wood.
Rio Piedra Plata,	8 45	571 84	Wood, water and grass.
Fort Clark,	8 46	580 30	Military Post.

Distances in Colorado and New Mexico.

Extract from Report of Chief Engineer Department of the Missouri, on lines of communication between Colorado and New Mexico.

BETWEEN WHAT POINTS.	MILES.	REMARKS.
Garland City to Fort Garland, - - - - -	6.5	Railroad town.
Fort Garland to Stewart's Ferry, - - - - -	19.5	{ Stewart's, or upper ferry, on the
Stewart's Ferry to Conejos, - - - - -	26.5	{ Rio Grande.
Fort Garland to Chevez Ferry, - - - - -	31.5	{ Chevez, or lower ferry, formerly
Chevez Ferry to Conejos, - - - - -	18	{ Myers'.
Conejos to Tierra Amarilla (Las Nutritas) via Ojo Caliente, - - - - -	150	
Conejos to Tierra Amarilla (Las Nutritas) via Cheva, - - - - -	120	
Conejos to Tierra Amarilla (Las Nutritas) via Chama route, - - - - -	60.7	
Los Nutritas to Los Ojos, - - - - -	2	Chama River forded at Los Ojos.
Los Ojos to Rio Navajo, - - - - -	33.2	
Rio Navajo to Rio Blanco, - - - - -	12.3	Upper road to Pagosa.
Rio Blanco to Pagosa Springs, - - - - -	10.6	
Conejos to Pagosa via Ojo Caliente, - - - - -	208	County road; lower route.
Conejos to Pagosa via Cheva, - - - - -	178	County road; cut-off.
Conejos to Pagosa via the Chama route, - - - - -	114.8	New toll-road; 12 miles incomplete
Conejos to Pagosa via San Antonio route, - - - - -	112.8	New toll-road; constructing.
Conejos to Pagosa via Chama-Navajo route, - - - - -	77.4	Proposed United States road; the shortest route West.
Pagosa Springs to the Summit District, - - - - -	49	Trail up Rio San Juan.
Pagosa to Rio Nutria (spring near ranch of Col. Pfeiffers), - - - - -	13	
Rio Nutria to Rio Piedra, - - - - -	12.1	
Rio Piedra to Rio de los Pinos, - - - - -	19.9	County-road.
Rio de los Pinos to Rio Florida, - - - - -	13.6	
Rio Florida to Rio de los Animas, - - - - -	5.8	
Animas City to Parrott City, - - - - -	19.5	Via toll-road.
Parrott City to East Fork Rio Mancos, - - - - -	18.1	Via trail.
East Fork to West Fork Rio Mancos, - - - - -	11.9	County-road.
Thence to Big Bend Rio Dolores (Camp 64, September 23,) - - - - -	.7	
Parrott City to mouth Rio La Plata, - - - - -	18.7	Trail.
Animas City to mouth Rio de las Animas, - - - - -	54	Toll-road.
Animas City to Hermosa, - - - - -	58.5	Trail.
Hermosa, via Grand Canon of the Animas, to Silverton, - - - - -	8.6	County-road.
Silverton to Howardsville, - - - - -	40.8	Wightman's new toll-road.
Howardsville to Lake City, via Animas Forks and Burrow's Park, - - - - -	4.7	County-road.
Howardsville to Lake City, via Mineral City and Hensen creek, - - - - -	36.6	
Howardsville's, via old wagon-road, to Carr's, - - - - -	31	Toll-road.
Howardsville, via Cunningham Gulch and trail over summit, to Carr's, - - - - -	16.3	Summit of pass, 12,400 feet.
Carr's to Alden's Junction or Antelope Springs, - - - - -	22.7	Pass, 11,900 feet.
Alden's to Lake City, - - - - -	27	
Alden's or Antelope Springs to Wagon-Wheel Gap, - - - - -	33.5	Toll-road; pass, 11,100 feet.
Wagon-Wheel Gap to mouth South Fork Rio Grande, - - - - -	16	
Thence to Del Norte, - - - - -	11.6	Toll-road down Rio Grande.
Del Norte to the Summit, - - - - -	15.8	
Del Norte to Fort Garland, - - - - -	27.8	Toll-road.
Del Norte to Piedra Pintada, - - - - -	60	County-road.
Thence to La Jara post-office on Rio de la Jara, - - - - -	15.9	
Thence to Conejos, - - - - -	18.6	In San Luis Park; county-road.
	13.5	

FORDS AND FERRIES OF RIO GRANDE.

FORD OR FERRY.	NAME.	LOCATION AND DESCRIPTION.
1. Ford.	La Loma del Norte,	{ On road from Fort Garland, Colorado, to and 7 miles from Del Norte, Col. Gravel bottom.
2. Ford and Ferry.	Alamosa,	{ At Alamosa, Colorado. Ford above ferry; gravel bottom; good approaches; easily passed during low water. Cable ferry above R. R. bridge; boat large enough for 1 wagon and team.
3. Ford and Ferry.	Stewart's,	{ On road between Ft. Garland & Conejos, Col., and above the mouth of Trinchera creek. Ford above ferry; good during low water; sandy bottom and good approaches. Cable ferry, rather inferior boat sufficiently large for one wagon and team.
4. Ford.	Mouth of Conejos River,	{ On road between Fort Garland & Conejos, Col., short distance above mouth of Conejos River. Only fordable at low water; good gravel bottom; fair approach on the left; marshy approach on right bank.
5. Ferry.	Myer's or Colomas,	{ On road between Fort Garland, Col., and Abiquin, N. M. Good cable ferry; boat good, sufficiently large for wagon and six-man team.
6. Ferry.	Cieneguilla,	{ Cable ferry $\frac{1}{2}$ mile above Cieneguilla, N. M.; boat sufficiently large for 1 wagon.
7. Ford.	Cienega,	{ At Cienega, in Rio Grande canon. Only fordable at low water. Good gravel bottom.
8. Ford.	Plaza del Alcalde,	{ At Plaza del Alcalde, N. M. Good ford at Plaza at low water.
9. Ford and Ferry.	San Juan,	{ San Juan, N. M. Good ford at low water, gravel bottom, west of Pueblo. Good cable ferry near ford, and boat sufficiently large for wagons.
10. Ford and Ferry.	San Ildefonso,	{ At Plaza of San Ildefonso, N. M. Ford good, stony bottom. Very poor ferry.
11. Ford and Ferry.	Peña Blanca,	{ On mail route between Santa Fe and Fort Wingate. Ford fair at low water, river wide. Ferried by boat sufficiently large for one wagon and team.
12. Ford.	San Felipe,	{ Ford $\frac{1}{4}$ mile below the Pueblo of San Felipe, good gravel bottom. Not fordable at high water.
13. Ford.	Bernalillo,	{ Ford opposite Bernalillo. River wide and ford dangerous. Quick sand.
14. Ford and Ferry.	Albuquerque,	{ South of town. Dangerous ford—quicksand—and only fordable at low water. Boat ferry.
15. Ford.	Upper Pajarito.	{ Ford at town; good gravel bottom; swift current; river 170 yards wide.
16. Ford.	Isleta,	{ At Pueblo of Isleta. River narrow, swift current. Good rock bottom. Approaches good.

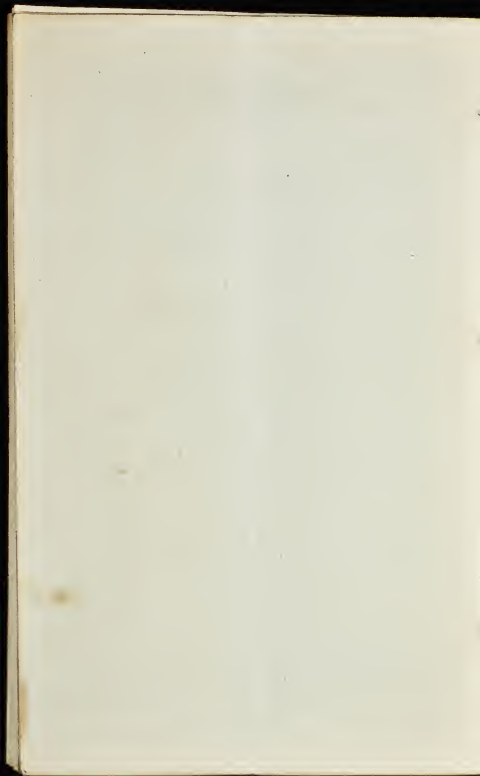
FORDS AND FERRIES OF RIO GRANDE.

(CONTINUED.)

FORD OR FERRY.	NAME.	LOCATION AND DESCRIPTION.
17. Ford.	Bosca Los Pinos, - -	{ Near Plaza Los Pinos. Bottom solid sand and gravel. River broad, current slow.
18. Ford.	Sabinal, - - - -	{ At Sabinal, abreast of Abo Pass. The best ford in that vicinity.
19. Ford.	La Joya, - - - -	{ At plaza La Joya Ceboelita. Deep and uncertain.
20. Ford.	Contadero, - - -	{ Near Fort Craig and opposite Mexican Plaza of Contadero. <i>Bad ford</i> —quicksand. River broad.
21. Ferry.	Gordon's Ferry, - -	{ Between Fort Craig and Paraje. Good wire cable and boat. West approach steep but good. East approach good.
22. Ford and Ferry.	McRae, - - - -	{ Between Fort McRae and Las Trepas. Good ford, gravel bottom, current swift. Good wire cable ferry—boat sufficiently large for wagon and four animals.
23. Ford	San Diego, - - -	{ At San Diego mountain, 12 miles north of Fort Selden. <i>Dangerous crossing</i> for wagons. Quicksand.
24. Ford and Ferry.	Fort Selden, - - -	{ Near Fort Selden. Ford at low water. River narrow. Quicksand bottom. Government cable ferry and boat, large enough for army wagon and six-mule team.
25. Ford.	Picacho, - - - -	At Picacho. Mail crossing. Good ford.
26. Ford.	Bliss, - - - -	{ At Fort Bliss, Texas. Good crossing at low water. Sandy bottom.

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